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L7: Entry 1 of 3

File: EPAB

Aug 18, 1995

PUB-NO: FR002716319A1

DOCUMENT-IDENTIFIER: FR 2716319 A1

TITLE: Network transmission confidentiality method for mobile telephone

PUBN-DATE: August 18, 1995

INVENTOR-INFORMATION:

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FR

APPL-NO: FR09401680

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PRIORITY-DATA: FR09401680A (February 15, 1994)

INT-CL (IPC): H04L 9/32; H04B 7/26

EUR-CL (EPC): H04L009/32; H04Q007/38

ABSTRACT:

The method involves a unique data support device for each user and two authentication codes. The first is for access to the network and the other is for access to a service. The authentication codes must be verified before access is permitted. The network access code is numerically deducted from the service access code and is verified by comparison with the initial service access code. The system includes a service access module (33) and a network access module (4). The modules perform code deduction and access control operations.

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L46: Entry 4 of 6

File: EPAB

Jan 8, 1998

PUB-NO: WO009800956A2

DOCUMENT-IDENTIFIER: WO 9800956 A2

TITLE: SYSTEM AND METHOD FOR PREVENTING CELLULAR FRAUD

PUBN-DATE: January 8, 1998

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APPL-NO: US09711316

APPL-DATE: June 30, 1997

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INT-CL (IPC): H04M 0/

EUR-CL (EPC): H04M003/38; H04Q007/38

ABSTRACT:

A system and method for authenticating a telephone to a telecommunications network prior to connecting a telephone call. The present invention programs a cellular telephone with a telephone identifier. When a caller uses the cellular telephone to make a call, the telecommunications network automatically routes the call to an authentication platform. There is one authentication platform in the telecommunications network for receiving all cellular calls. The cellular telephone sends a call origination to the authentication platform including an electronic serial number (ESN) and a mobile identification number (MIN). The authentication platform returns a random challenge to the cellular telephone. The cellular telephone generates a response by encrypting the random challenge with its ESN, MIN and a unique telephone identifier and sends the response to the authentication platform. The authentication platform generates an anticipated response by encrypting the random challenge with the ESN and MIN provided in the originating call and with a telephone identifier retrieved from a local database. The authentication platform compares the response from the cellular telephone with its anticipated response to authenticate the call. If the response and the anticipated response match, the authentication platform allows the call to complete; otherwise, the authentication platform terminates the call.



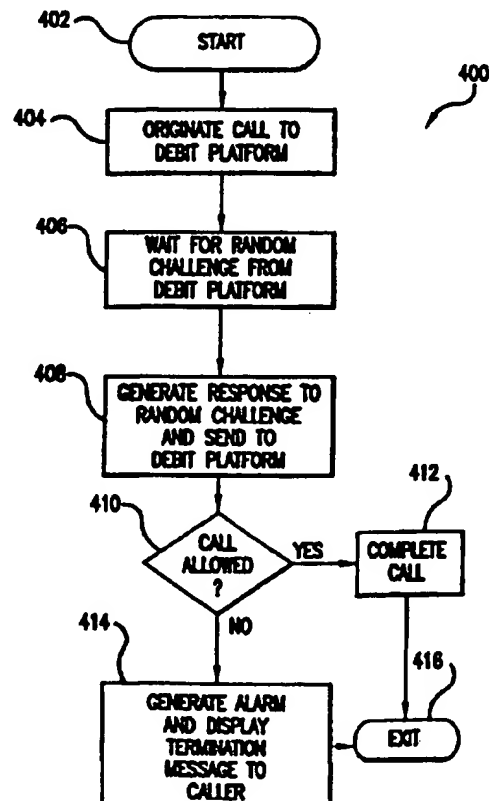
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/US97/11316 (22) International Filing Date: 30 June 1997 (30.06.97) (30) Priority Data: 08/674,637 28 June 1996 (28.06.96) US (71) Applicant: MCI COMMUNICATIONS CORPORATION [US/US]; 1133 19th Street, N.W., Washington, DC 20036 (US). (72) Inventors: JORDAN, David, P.; 306 West Masonic View Avenue, Alexandria, VA 22301 (US). REED, Elaine; 8205 Bucknell Drive, Vienna, VA 22180 (US). McMAHON, Kevin; 13157 Ladybank Lane, Herdon, VA 22071 (US). (74) Agents: KESSLER, Edward, J. et al.; Sterne, Kessler, Goldstein & Fox P.L.L.C., Suite 600, 1100 New York Avenue, N.W., Washington, DC 20005-3934 (US).	(81) Designated States: AU, CA, JP, MX, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>Without international search report and to be republished</i> <i>upon receipt of that report.</i>	

(54) Title: SYSTEM AND METHOD FOR PREVENTING CELLULAR FRAUD

(57) Abstract

A system and method for authenticating a telephone to a telecommunications network prior to connecting a telephone call. The present invention programs a cellular telephone with a telephone identifier. When a caller uses the cellular telephone to make a call, the telecommunications network automatically routes the call to an authentication platform. There is one authentication platform in the telecommunications network for receiving all cellular calls. The cellular telephone sends a call origination to the authentication platform including an electronic serial number (ESN) and a mobile identification number (MIN). The authentication platform returns a random challenge to the cellular telephone. The cellular telephone generates a response by encrypting the random challenge with its ESN, MIN and a unique telephone identifier and sends the response to the authentication platform. The authentication platform generates an anticipated response by encrypting the random challenge with the ESN and MIN provided in the originating call and with a telephone identifier retrieved from a local database. The authentication platform compares the response from the cellular telephone with its anticipated response to authenticate the call. If the response and the anticipated response match, the authentication platform allows the call to complete; otherwise, the authentication platform terminates the call.



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L38: Entry 44 of 55

File: USPT

Mar 21, 1989

US-PAT-NO: 4814972

DOCUMENT-IDENTIFIER: US 4814972 A

TITLE: Method and videotex apparatus for fast access of remotely located information

L38: Entry 44 of 55

File: USPT

Mar 21, 1989

US-PAT-NO: 4814972

DOCUMENT-IDENTIFIER: US 4814972 A

TITLE: Method and videotex apparatus for fast access of remotely located information

DATE-ISSUED: March 21, 1989

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US-CL-CURRENT: 709/227; 348/468, 379/93.02, 379/93.12, 379/93.18



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(21) International Application Number: PCT/US98/15015		(74) Agents: WALKER, William, B. et al.; Enterprise Law Group, Inc., Suite 280, 4400 Bohannon Drive, Menlo Park, CA 94025 (US).	
(22) International Filing Date: 22 July 1998 (22.07.98)			
(30) Priority Data:		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
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60/063,742 17 October 1997 (17.10.97) US			
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(54) Title: APPARATUS AND METHOD FOR INTEGRATED VOICE GATEWAY

(57) Abstract

An integrated voice gateway system for use within a company which can route a voice telephone call between parties at two different locations over an IP network or over the PSTN. The system can route a voice telephone call from a first location within the system to a second location within the system via the IP network, and then from the second location to a third location via the PSTN. The integrated voice gateway system includes a gateway server which serves as an intranet/Internet telephony gateway. The gateway server routes intra-company voice or facsimile (fax) calls, over the company's intranet or the public Internet. The gateway server provides an alternate voice network to the PSTN for a company. This alternate network is provided at a much lower cost. The gateway server is a combination of hardware and software components which reside on a PC server platform. The gateway server is coupled to a customer premise telephone system, i.e. a PBX via a T1 or E1 trunk for larger systems, or an analog trunk for smaller systems. The gateway server is coupled to the company's intranet via industry standard connections. The gateway servers in a multi-site company are coupled together via the company's intranet or wide area network (WAN) into a gateway network. The gateway server uses PBX call status links to provide many unique and useful features which are otherwise unavailable. The gateway server uses T1 inband ANI, PRI, QSIG or industry standard CTI applications programming interfaces (API) and works with any PBX which supports any of these call status links. The gateway server is equipped with a database of user and gateway objects and attributes, and provides many unique features including caller's name based on caller phone number, address translation, gateway network routing information, user authentication, etc. This database can be integrated with industry standard enterprise directory services systems including any directory which supports the Lightweight Directory Access Protocol (X.500) (LDAP) interface.

